IN THE CLAIMS:

Please amend claim 17 and add new claims 18-58 as follows:

1.   (Original) A multicast service providing method in a wireless system in which a logical channel data is mapped to a common transport channel and transmitted to a receiving end, wherein a dedicated logical channel data and a common logical channel data are transmitted by using an uni-directional shared channel, such that the dedicated logical channel data and common logical channel data can be identified at the receiving end

2.   (Original) The method of claim 1, wherein the dedicated logical channel is a dedicated traffic channel (DTCH) or a dedicated control channel (DCCH).

3.   (Original) The method of claim 1, wherein the dedicated logical channel data is a multimedia broadcast/multicast service (MBMS) data.

4.   (Original) The method of claim 1, wherein the common logical channel is an MBMS traffic channel (MTCH) or an MBMS control channel (MCCH).

5.   (Original) The method of claim 1, wherein the dedicated logical channel data and common logical channel data are identified by a logical channel identifier.

6.   (Original) The method of claim 5, wherein the logical channel identifier is a target channel type field (TCTF).

7.   (Original) The method of claim 1, wherein the shared channel is a downlink shared channel (DSCH).

8.   (Original) The method of claim 1, wherein the shared channel is a channel that transmits a data only.

9.   (Original) The method of claim 1, wherein a control of the shared channel is a channel of which control information is transmitted through an associated channel.

10.   (Original) The method of claim 1, wherein a data of the shared channel includes:

an indicator indicating a logical channel type;

an indicator indicating a multicast service type; and

a service data unit.

11. (Original) In a wireless communication method which a dedicated logical channel data and a common logical channel data are transmitted by using an uni-directional shared channel, wherein a data transmitted through the shared channel includes:

a first indicator indicating a logical channel type;

a second indicator indicating a multicast service type; and

a service data unit.

12. (Original) The method of claim 11, wherein the first indicator is a target channel type field (TCTF).

13. (Original) The method of claim 11, wherein the second indicator includes:

a terminal identifier; and

an indicator indicating a type of the terminal identifier.

14. (Original) The method of claim 13, wherein the terminal identifier is an MBMS radio network temporary identifier (RNTI).

15. (Original) The method of claim 11, wherein the first and second indicators are includes a header.

16. (Original) A method of providing a multicast service in a radio communication system, the method comprising:

receiving data of a dedicated logical channel having a corresponding first dedicated transport channel,

receiving data of a common logical channel having a corresponding second dedicated transport channel,

processing the dedicated logical channel data and the common logical channel data to form multiplexed data that contains an identifier to provide distinction between the dedicated logical channel data and the common logical channel data;

newly establishing a shared transport channel independent from the first and second dedicated transport channels; and

transporting the multiplexed data via the newly established shared transport channel.

17. (Currently amended) The method of claim 16, further comprising a step of demultiplexing the multiplexed data received via the shared transport channel by using the identifier within the received multiplexed data.

18. (New) A method of communicating with a plurality of terminals in a wireless communication system, the method comprising:

mapping at least one common logical channel to a shared physical channel ; and

communicating with the plurality of terminals by transmitting data using the shared physical channel, the shared physical channel characterized by at least one of having an associated channel and supporting variable channel code , wherein the associated channel comprises information for interpreting data transmitted in the shared physical channel.

19. (New) The method of claim 18, further comprising:

including a data identifier with data transmitted in the shared physical channel, the data identifier indicating that data from one of the at least one common logical channel and a dedicated logical channel is being transmitted.

20. (New) The method of claim 18, further comprising:

including a data identifier with data transmitted in the shared physical channel, the data identifier indicating at least one of point-to-point data and point-to-multipoint data .

21. (New) The method of claim 18, further comprising:

including a type identifier and a destination identifier with data transmitted in the shared physical channel , wherein the type identifier indicates a type of destination identifier being transmitted and the destination identifier indicates at least multicast data.

22. (New) The method of claim 18, wherein the associated channel is a control channel for providing information associated with receiving data transmitted in the shared physical channel.

23.   (New) The method of claim 18, wherein the shared physical channel is a physical downlink shared channel .

24.   (New) The method of claim 18, wherein the variable channel code is selected in each frame of the shared physical channel.

25.   (New) The method of claim 18, wherein the variable channel code is a spreading factor.

26.   (New) The method of claim 18, wherein the common logical channel is one of an MBMS traffic channel and an MBMS control channel .

27.   (New) The method of claim 18, further comprising:
mapping at least one dedicated logical channel to a shared physical channel.

28.   (New) The method of claim 27, wherein the dedicated logical channel is one of a dedicated traffic channel and a dedicated control channel .

29.   (New) The method of claim 27, wherein the dedicated logical channel comprises multimedia broadcast/multicast service data.

30.   (New) A method of communicating with a plurality of mobile terminals in a wireless communication system, the method comprising:
using a logical channel selection module to map at least one of a first logical channel and a second logical channel to a shared physical channel , wherein at least one of the first and second logical channels is a common logical channel; and
communicating with the plurality of mobile terminals by transmitting data using the shared physical channel, the shared physical channel characterized by one of having an associated channel and supporting variable channel code , wherein the associated channel comprises information for interpreting data transmitted in the shared physical channel.

31.   (New) The method of claim 30, further comprising:

including a data identifier with data transmitted in the shared physical channel, the data identifier indicating that data from one of the at least one common logical channel and a dedicated logical channel is being transmitted.

32.   (New) The method of claim 30, further comprising:

including a data identifier with data transmitted in the shared physical channel, the data identifier indicating at least one of point-to-point data and point-to-multipoint data .

33.   (New) The method of claim 30, further comprising:

including a type identifier and a destination identifier with data transmitted in the shared physical channel , wherein the type identifier indicates a type of destination identifier being transmitted and the destination identifier indicates at least multicast data.

34.   (New) The method of claim 30, wherein the associated channel is a control channel for providing information associated with receiving data transmitted in the shared physical channel.

35.   (New) The method of claim 30, wherein the variable channel code is selected in each frame of the shared physical channel.

36.   (New) The method of claim 30, wherein the variable channel code is a spreading factor.

37.   (New) The method of claim 30, further comprising:
mapping at least one dedicated logical channel to a shared physical channel.

38.   (New) A method of communicating with a plurality of terminals in a wireless communication system, the method comprising:

receiving data in a shared physical channel, the shared physical channel characterized by at least one of having an associated channel and supporting variable channel code, wherein the associated channel comprises information for interpreting data received in the shared physical channel; and

examining a header of the data received in the shared physical channel to determine whether the data is processed.

39.   (New) The method of claim 38, further comprising:

examining a data identifier in the header to identify whether dedicated data is received and mapping the dedicated data to at least one dedicated logical channel.

40.   (New) The method of claim 38, further comprising:

examining a data identifier in the header to identify whether common data is received and mapping the common data to at least one common logical channel.

41.   (New) The method of claim 38, further comprising:

examining a data identifier in the header to identify the received data as one of point-to-point data and point-to-multipoint data .

42.   (New) The method of claim 38, further comprising:

examining a type identifier and a destination identifier in the header to determine if the data is processed.

43.   (New) The method of claim 38, wherein the associated channel is a control channel for providing information associated with receiving data transmitted in the shared physical channel.

44.   (New) The method of claim 38, wherein the shared physical channel is a physical downlink shared channel .

45.   (New) The method of claim 38, further comprising:

using variable channel code in each frame of the shared physical channel to process the data.

46.   (New) A network for communicating with a plurality of terminals in a wireless communication system, the network comprising:

a logical channel selection module adapted to map at least one of a first logical channel and a second logical channel to a shared physical channel , wherein at least one of the first and second logical channels is a common logical channel; and

a transmitting unit adapted to perform at least one of transmitting information on a channel associated with the shared physical channel, the information associated with interpreting data transmitted in the shared physical channel, and transmitting data in the shared physical channel using variable channel code.

47.   (New) The network of claim 46, wherein the transmitting unit is further adapted to include a data identifier with data transmitted in the shared physical channel, the data identifier indicating that data from one of the at least one common logical channel and a dedicated logical channel is being transmitted.

48.   (New) The network of claim 46, wherein the transmitting unit is further adapted to include a data identifier with data transmitted in the shared physical channel to indicate at least one of point-to-point data and point-to-multipoint data.

49.   (New) The network of claim 46, wherein the transmitting unit is further adapted to include a type identifier and a destination identifier with data transmitted in the shared physical channel, the type identifier indicating a type of destination identifier being transmitted and the destination identifier indicating at least multicast data.

50.   (New) The network of claim 46, wherein the transmitting unit is further adapted to select variable channel code in each frame of the shared physical channel.

51.   (New) The network of claim 46, wherein the variable channel code is a spreading factor.

52.   (New) The network of claim 46, wherein the logical channel selection module is further adapted to map at least one dedicated logical channel to a shared physical channel.

53.   (New) A mobile unit for communicating with a network in a wireless communication system, comprising:
        a receiving unit adapted to receive data in a shared physical channel, the shared physical channel characterized by at least one of having an associated channel and supporting variable channel code, wherein the associated channel comprises information for interpreting data received in the shared physical channel; and

a demultiplexing unit adapted examine a header of the data received in the shared physical channel to determine whether the data is processed.

54.   (New) The mobile unit of claim 53, wherein the demultiplexing unit is further adapted to examine a data identifier in the header to identify whether dedicated data is received and map the dedicated data to at least one dedicated logical channel.

55.   (New) The mobile unit of claim 53, wherein the demultiplexing unit is further adapted to examine a data identifier in the header to identify whether common data is received and map the common data to at least one common logical channel.

56.   (New) The mobile unit of claim 53, wherein the demultiplexing unit is further adapted to examine a data identifier in the header to identify the received data as one of point-to-point data and point-to-multipoint data .

57.   (New) The mobile unit of claim 53, wherein the demultiplexing unit is further adapted to examine a type identifier and a destination identifier in the header to determine if the data is processed.

58.   (New) The mobile unit of claim 53, wherein the demultiplexing unit is further adapted to the use variable channel code in each frame of the shared physical channel to process the data.